Searching for Isolated Tracks, using tracker and calorimeter information

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1. Tracker information

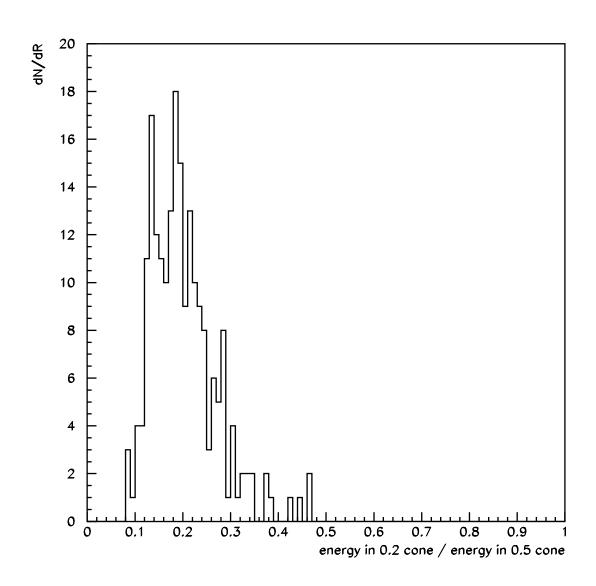
- Tracks with $|\eta| < 1.156$ and $p_T > 1 \text{ GeV}/c$
- There is NO any other reconstructed tracks in 0.5 cone around track

2. Calorimeter information

- Total ECAL+HCAL energy in 0.2 cone around reconstructed track > 2 GeV
- Ratio of Energy in 0.2 cone to Energy in 0.5 cone see fig.

209 isolated tracks in 1000 low luminosity pp events.

Needs more detailed study to develop criteria o track isolation.



Energy = Energy(ECAL) + Energy(HCAL)